

CERTIFICATE OF MAILING 37 C.F.R. 1.8

1641 PSW/B

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date-below:

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Signature

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Hagan P. Bayley, et al.

Serial No.: 09/781,697

Filed: February 12, 2001

For: BIOSENSOR COMPOSITIONS AND

METHODS OF USE

Group Art Unit: 1641

Examiner: M. Tran

Atty. Dkt. No.: 12740.0249.NPUS01

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria VA, 22313-1450

Sir:

This a Reference copy of the Information Disclosure Statement that was filed with the Request for Continued Examination (RCE) for the above captioned application on August 19, 2004. Copies of the references cited in the attached Form PTO 1449 were not submitted with the August 19, 2004 filing because that filing was done via facsimile.

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record.

In accordance with 37 C.F.R §§ 1.97(g),(h), this Information Disclosure Statement is not

to be construed as a representation that a search has been made, and is not to be construed to be

an admission that the information cited is, or is considered to be, material to patentability as

defined in 37 C.F.R. § 1.56(b).

The August 19, 2004 filing authorized the Commissioner to deduct the fees for filing an

Information Disclosure Statement from our Deposit Account. It is therefore believed that no fees

are due in connection with the present submission. However, should any fees be required for any

reason related to the enclosed material, the Commissioner is authorized to deduct said fees or

credit any overpayment to Deposit Account No. 01-2508/12740.0249.NPUS01.

Applicant respectfully requests that the listed documents be made of record in the present

case.

Respectfully submitted,

Raymond Reese

Reg. No. 47,891

Patent Agent for Assignee

THE TEXAS A&M UNIVERSITY SYSTEM

HOWREY SIMON ARNOLD & WHITE, LLP 750 Bering Drive Houston, Texas 77057-2198 (713) 787-1400

Date:

August 30, 2004

Form PTO-1449 (modified)
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12740.0249.NPUS01 Applicant Serial No. 09/781,697

of Patents and Publications for Applicant's

Hagan P. Bayley, et al.

Atty. Docket No.

NFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date: February 12, 2001 Group: 1641

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art See Page 1

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	Al	5,234,566	08/10/93	Osman et al.	204	403	08/17/89
	A2	5,443,955	08/22/95	Cornell et al.	435	7.21	01/29/90
	A3	5,795,782	08/18/98	Church et al.	436	2	03/17/95
	A4	5,368,712 A	11/29/94	Tomich John et al.	204	403	08/31/90

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1	W0 99 05167 A	02/04/99	WIPO			
	B2	W0 96 20688 A	07/11/96	WIPO			
	B3	W0 97 20203 A	06/05/97	WIPO			
	B4	٠					
	B5						

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation			
	Cl	Thomas Ferenci and King-Sang Lee; Department of Microbiology, University of Sydney; "Channel Architecture in Maltoporin: Dominance Studies lamb Mutations Influencing Maltodextrin Binding Provide Evidence for Independent Selectivity Filters in Each Subunit"; June 13, 1988; 7 pages.			
	C2	Charles A. Roessner and Garret M. Ihler; Department of Medical Biochemistry and Genetics, Texas A&M College of Medicine; "Formation of Transmembrane Channels in Liposomes during injection of DNA"; June 3, 1985; ppgs. 386-390.			
	C3	Orit Braha, Barbara Walker, Stephen Cheley, John Kasianowicz, Langzhou Song, J. Eric Gouaux and Hagan Bayley; "Designed protein pores as components for biosenors"; April 25, 1997; ppgs. 497-505.			

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

	Form PTO-1449 (modified)	
OF	List of Patents and Publications for	r Applicant'
6	NI RMATION DISCLOSURE S	STATEMENT
43	(Use several sheets if necess	ary)
1	U.S. Patent Documents	Forei

Atty. Docket No. 12740.0249.NPUS01

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Documents See Page 1

Foreign Patent Documents See Page 1

Other Art See Page 1

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

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	C4	Cornell E.A.: "The gramicidin-based biosensor: a functional nano-machine" NOVARTIS FOUNDATION SYMPOSIUM, vol. 225, 1999, pages 231-254, XP001052820 Chichester.			
	C5	Bayley: "Designed membrane channels and pores" CURRENT OPINION IN BIOTECHNOLOGY, vol. 10. 1999, pages 94-103, XP001058234.			
	C6	Boehmer, Volker: "Calixarenes macrocycles with (almost) unlimited possibilities" ANGEW, CHEM., INT. ED. ENGL. (1995). 34(7), 713-45, XP002188229			
	C7	Movileanu L. Et al.; "Detecting protein analytes that modulate transmembrane movement of a polymer chain within a single protein pore." NATURE BIOTECHNOLOGY, (2000 OCT) 18 (10) 1091-5.; XP002188230			
	C8	Van Der Goot E.A.: "Sensing proteins outside of the box" NATURE BIOTECHNOLOGY, vol. 18, 18 October 2000 (2000-10-18), page 1037 XP002188231			
	C9	Howorka: "A protein pore with a single polymer chain tethered within the lumen" JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, vol. 122, no. 11, 22 March 2000 (2000-03-22), pages 2411-2416, XP002188232 DC US			
	C10	Search Report for application PCT/US01/04482, European Patent Office, Feb. 2, 2002, PCT			

EXA	MI	NE	R:
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DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.